

NSF SBIR/STTR Phase II

Step-by-Step Guide for Entering Proposal in FastLane

For formatting requirements, click here to visit the GPG.

If the GPG differs from the Phase II Proposal Preparation Instructions, these instructions take precedence.

ADA & 508 Compliance Assistance - Please Call the FastLane Help Desk at 1-800-673-6188.

Phase I Final or Phase IB Interim Reports: Remember, you must submit the Phase I Final or Phase IB Interim Report in Research.gov as a Phase I project deliverable. This report does not have to be approved by NSF prior to inclusion in your Phase II proposal. You must then ALSO upload the Phase I Final (or Phase IB Interim) Report into the FastLane Supplementary Docs module for your Phase II proposal.

Please visit our Phase II Proposal Information website to download all required forms and for full details about proposal requirements: http://www.nsf.gov/eng/iip/sbir/how-to-apply_phaseii.jsp

Read the "SBIR/STTR Phase II Proposal Contents" guide carefully prior to drafting and submitting a Phase II proposal to NSF.

For Assistance with FastLane - Please Call the FastLane Help Desk at 1-800-673-6188.

To get started follow the steps outlined below:

- 1. Go to the FastLane home page http://www.FastLane.nsf.gov
- 2. Select the **Proposal, Awards & Status link** on the top (blue) menu bar.

Proposals, Awards and Status

3. Fill in Log In information in the "PI/CO-PI Log In" box on the right side of the screen.

Note: The Principal Investigator (PI) for the proposed Phase II project should login and prepare the proposal.

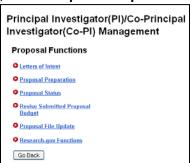


- Click the "Log In" button

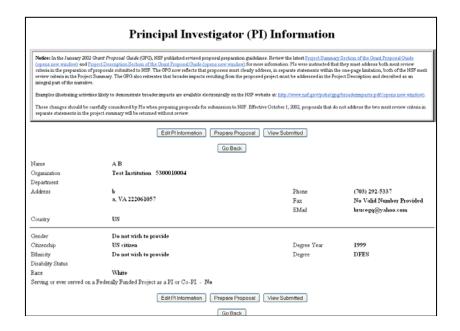
4. On the **Principal Investigator (PI)/Co-Principal Investigator (CO-PI) Management** screen, select **"Proposal Functions"**



5. On the Proposal Functions screen, click "Proposal Preparation"



6. On the **Principal Investigator (PI) Information** screen, check the PI information for accuracy. You may choose to update or edit the PI information by selecting the **"Edit PI Information"** button. Then click the **"Prepare Proposal"** button.

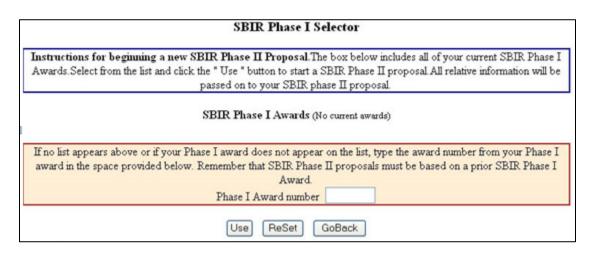


7. Once you select to prepare your proposal the **Proposal Actions** Screen appears. Scroll down past the **Temporary Proposals in Progress** section to the **Create New Proposal** section at the bottom, and click on the appropriate "SBIR Phase II" or "STTR Phase II" button.



8. The **SBIR/STTR Phase I Selector** screen appears. **Important!** You will see a listing of your company's SBIR/STTR Phase I Awards in which you served as PI. **Highlight** the SBIR/STTR Phase I award for which you are submitting a Phase II proposal.

<u>For a PI change between Phase I and Phase II</u> - **NO Awards will appear**; type in the Phase I Award Number - Scroll down and click on the **Use** button. This will automatically assign the person who started the proposal in FastLane to be assigned as the new PI for the Phase II proposal.



The **Form Preparation** screen is the control center for proposal development. All of the **GO** buttons move you to each of the different modules that you need to complete in order to prepare your proposal. It is strongly advised that you prepare each of the sections offline and then upload the sections to each of the modules. The Budget is the only section for which you will need to enter the information directly into FastLane; however, the budget justification(s) can be prepared offline and uploaded into the Budget Justification module.

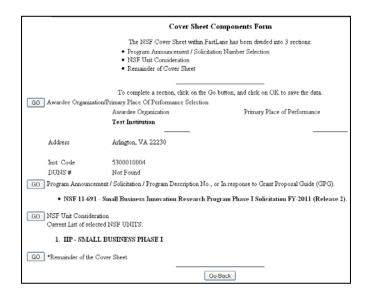
9. At the top of the Form Preparation page will be the text Forms for Temp Proposal # - this number will be used as a reference throughout the preparation process. When your FastLane Contact/SPO finally submits your proposal to NSF, your proposal will be assigned an official NSF proposal number, the first two digits of which will match the fiscal year in which the proposal was submitted (e.g. proposals submitted between October 1, 2012 and September 30, 2013 will be numbered 13xxxxx). This official proposal number should be used in all further communications with NSF.

Forms for Temp. Proposal #7154556 SBIR Phase I:test title Form Preparation To prepare a form, click on the appropriate button below. GO Project Summary GO Cover Sheet 05/30/12 01/14/13 GO Table of Contents N/A GO Project Description GO Biographical Sketches GO References Cited 09/01/11 GO Budgets (Including Justification) GO Current and Pending Support GO Facilities, Equipment, and Other Resources Supplementary Documents GO Data Management Plan GO Mentoring Plan¹ GO Project Summary with Special Characters 07/06/11 GO Other Supplementary Docs Single Copy Document GO Add/Delete Non Co-PI Senior Personnel GO PI/Co.PI Information N/A N/A GO Change PI GO Deviation Authorization(if applicable) GO List of Suggested Reviewers (optional) N/A GO Link Collaborative Proposals GO Additional Single Copy Documents Go Back

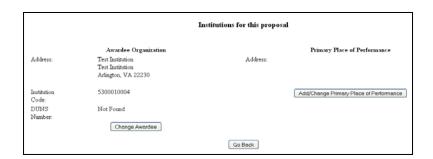
Click on the "GO" button to the left of "Cover Sheet".

The Cover Sheet has been divided into four sections. To complete the Cover Sheet you must complete all four sections.

9a. The first Cover Sheet "GO" Button is "Awardee Organization/Primary Place of Performance Selection"

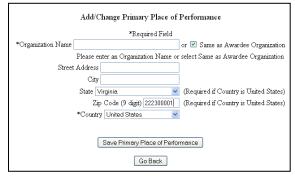


The Awardee Organization information is pre-populated from the PI information. Click on the "Add/Change Primary Place of Performance" button to make necessary updates.



- ✓ STTR proposals should click "Add/Change Primary Place of Performance" and enter data for the mandatory sub-awardee research institution.
- ✓ SBIR proposers may select a sub-awardee research organization (if applicable) for the Primary Place of Performance, or should select "Same as Awardee Organization".
- ✓ When inputting an address for the "Primary Place of Performance", you must include the nine-digit zip code. (Proposers are advised to use the United States Postal Service website to look up their nine-digit zip code at www.usps.com)

After the Primary Place of Performance is identified, click "Save Primary Place of Performance".



After saving, click **"Go Back"** on the "Add/Change Primary Place of Performance" and the "Institutions for this Proposal" page to return to the Cover Sheets Components Form.



9b. The second Cover Sheet **"GO"** Button is **"Program Announcement / Solicitation / Program Description"**

and

9c. The third Cover Sheet "GO" Button is "NSF Unit Consideration"

* The "Program Announcement/Solicitation/Program Description Number" and the "NSF Unit Consideration" will appear automatically, pre-populated with the correct data from your Phase I award.

	Cover Shee	t Components Form		
	The NSF Cover Sheet within FastLane has been divided into 3 sections:			
	 Program Announcement / Solic 	itation Number Selection		
	 NSF Unit Consideration Remainder of Cover Sheet 			
	Remainder of Cover Sheet			
		Go button, and click on OK to save the data.		
GO Awardee Organiz	ation/Primary Place Of Performance Selection			
	Awardee Organization	Primary Place of Performance		
	Test Institution	Test Institution		
Address	Arlington, VA 22230			
		VA ,US222300001		
Inst. Code	5300010004			
DUNS#	Not Found			
GO Program Announc	ement / Solicitation / Program Description N	o., or In response to Grant Proposal Guide (GPG).		
• NSF 11-69	1 - Small Business Innovation Research	Program Phase I Solicitation FY-2011 (Release 2).		
GO NSF Unit Conside Current List of sel	eration ected NSF UNITS:			
1. IIP - SMA	LL BUSINESS PHASE I			
GO *Remainder of the	Cover Sheet			
		Go Back		

9d. The fourth Cover Sheet "GO" Button is "Remainder of the Cover Sheet"

Click the "GO" button and provide the required information to complete the cover sheet.

"Title of Proposed Project": The system has already been programmed for each title to begin with SBIR Phase II: or STTR Phase II:

- * Please **include** two spaces after the colon before typing the project title.
- * Please **do not use** acronyms in the proposal title. The title will be public information and should be crafted to clearly convey the technical purpose of the project.



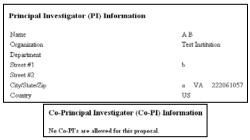
"Budget and Duration Information": Three items are requested.

- ✓ **Requested Amount:** Enter the requested amount of funds. This number should match the total funds line as listed in the budget.
 - SBIR/STTR Phase II budgets cannot exceed \$750,000.
- ✓ Proposal Duration: Enter 24 months in the box.
- ✓ **Requested Starting Date:** For deadline dates in July, enter the following January 1st. For deadline dates in January, enter the following July 1st.



"Announcement and Consideration Information", "Principal Investigator (PI) Information" and "Co-Principal Investigator (Co-PI) Information": These sections will automatically populate.





Remember you only have two opportunities to submit your Phase II proposal, depending on your award date. Check your Award Letter if you need clarification.

"Previous NSF Award": Do not check the box. Preliminary proposals are not accepted in the SBIR/STTR Program

Previous NSF Award	
If this proposal is a Renewal or an Accomplishment Based Renewal Then select the previous Award Number:	
Otherwise Deselect	
If this is a preliminary proposal then check here:	
If this is a Full Proposal and it is related to an associated preliminary proposal, please enter that preliminary proposal number here.	•

"Other Federal Agencies": Provide a listing of all other Federal agencies to which you have submitted, or plan to submit, this proposal.

Other Federal Agencies	1
If this proposal is being submitted to another Federal Agency (FA), please type a reasonable abbreviation (maximum of 10 characters) for each agency in a blank space below.	l
1. 2. 3. 4. 5. 5. 7. 9. 10.	

"Awardee Organization Information": This section has your Organization Name, Address, and Organization Code (this is a code assigned by NSF to your organization). All of this information should be pre-populated. The company's Employer Identification Number (EIN) and Taxpayer Identification Number (TIN) must be provided.

Under the "Check all that apply to the Awardee Organization (see GPG for Definitions)" you should always check the following two boxes:

- ✓ For Profit
- ✓ Small Business

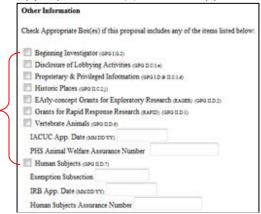
Check the appropriate box(s) if your company is a Minority or Woman-Owned Business.



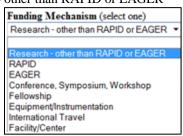
[&]quot;Primary Place of Performance": This section will automatically populate.

Primary Place of Performance	
Or	rganization: Test Institution Address:
	, VA 222300001,US

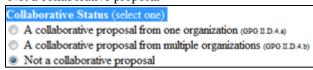
"Other Information": Check the appropriate box(s) that are applicable to your proposal.



"Funding Mechanism": Select "Research – other than RAPID or EAGER"



"Collaborative Status": Select "Not a collaborative proposal"



"Small Business Innovation Research": Select the appropriate topic from the drop down box and type in the appropriate subtopic (reference solicitation).

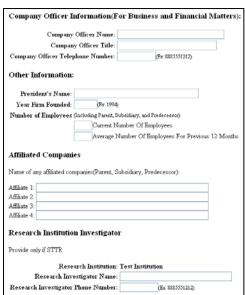


"The Small Business Concern Certifies": Answer all of the following questions.

The Small Business Concern Certifies That:
1. It is a small business as defined in the solicitation. YES NO
It qualifies as a socially and economically disadvantaged business as defined in the solicitation (FOR STATISTICAL PURPOSES ONLY) YES NO
3. It qualifies as a women-owned business as defined in the solicitation (FOR STATISTICAL PURPOSES ONLY) VES NO
 SBIR: A minimum of two-thirds of the research will be performed by this firm in Phase I. STIR: It will perform at least 40 percent of the work and the collaborating research institution will perform at least 30 percent of the work as described in the proposal. YES NO
 5. The primary employment of the Principal Investigator (PI) will be with this firm at the time of award and during the conduct of the research. YES NO
6. It will permit the government to disclose the title and technical abstract page, plus the name, address and telephone number of a corporate official, if the proposal does not result in an award, to parties that may be interested in contacting the small business for further information or possible investment. YES NO
7. It will comply with the provisions of the Civil Rights Act of 1964 (P.L. 88-352) and the regulations pursuant thereto. ○ NO
8. It has previously submitted proposals to NSF. O YES NO
 9. It previously submitted this proposal (which was declined) and significant modifications have been made as described in the solicitation. YES NO
 10. It has received Phase II awards from the Federal Government. If "yes" provide a company commercialization history in the supplementary documents module. ○ YES ● NO
11. It is located in a Historically Underutilized Business Zone (HUBZone) as verified by the Small Business Administration (to verify HUBZone participation go to http://map.sba.gov/hubzone/init.asp). O NO

NOTE: If the PI responds "YES" to the question "It has received Phase II awards from the Federal Government" then a Company Commercialization History (on the NSF template) must be provided in the proposal or else the entire proposal will be returned without review. Template available here: http://www.nsf.gov/eng/iip/sbir/CommercialHistoryTemplate.xls

"Company Officer Information (For Business and Financial Matters)", "Other Information", "Affiliated Companies", "Research Institution Investigator" and "Proprietary Notice": Fill in all requested information.

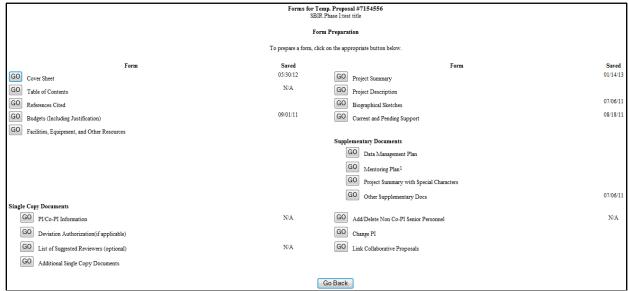


Proprietary Notice:	_
See solicitation for instructions concerning proprietary information.	
Check here if proposal contains proprietary information.	

"Debarment and Suspension Certification" and "Authorized Representative": Read each section carefully, answer question(s) and provide any additional information (if applicable). Click "OK" and then select "Go Back" to return to the "Form Preparation" screen.

	or and to recall to the remarkation of com-
I	Debarment and Suspension Certification
I	
I	Is the organization or its principals presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency?
ı	No No
ı	Yes (If 'yes' please provide an explanation below.)
I	
I	
ı	
ı	
ı	By electronically signing the NSF Proposal Cover Sheet, the Authorized Organizational Representative or Individual Applicant is providing the Debarment and Suspension Certification contained in Establish
ı	II-4 of the Grant Proposal Guide.
i	Authorized Organizational Representative(AOR) information will be added when the proposal is electronically signed by the Authorized Organizational Representative.
ı	Authorized Organizational Representative (AOR) information will be added when the proposal is electronically signed by the Authorized Organizational Representative.
l	
ı	
I	OK.
I	Go Beck

10. Click on the "Go" button to the left of "Add/Delete Non Co-PI Senior Personnel":



Click "Add Non Co-PI Senior Person to Proposal" after inputting the First Name, Middle Initial and Last Name of each person.

Senior personnel are individuals who have committed to work on the project and who possess specialized knowledge or skills that are critical for the completion of the project. For NSF SBIR/STTR projects, all Senior Personnel listed on the project budget (and all subaward budgets) and all Consultants must submit a Bio Sketch. All senior personnel listed on the project budget (and all subaward budgets) must also submit Current and Pending Support information (detailed later in this quide).

	Add/Delete Non Co-Principal Investigator (Co-PI) Senior Personnel Assigned to Proposal	
	No Non Co-PI Senior Personnel	
	Currently, there are no Non Co-PI Senior Personnel assigned to Proposal #7154556	
To Add a new Non Co-PI Senior Pe	rsonnel to proposal #7154556, type the name of the person in the fields below and click: Proposal' button.	the 'Add Non Co-PI Senior Person to
	Enter the first name, middle initial, and last name.	
	First Name: John	
	Middle Initial:	
	Last Name: Doe	
	Add Non Co-PI Seniar Person to Proposel	
	Go Back	

After adding all participants, click "Go Back" until you return to the "Form Preparation" screen.

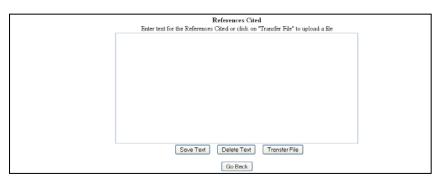
Add/Delete Non Co-Principal Investigator (Co-PI) Senior Personnel Assigned to Proposal				
To Delete a Non Co-PI Senior Personnel assigned to Proposal #1136431 select the person's name from the list below and press the 'Delete Non Co-PI Senior Person From Proposal' button.				
Select a name to remove as a Senior Personnel.				
Delete Non Co-PI Senior Person From Proposal				
To Add a new Non Co-PI Senior Personnel to proposal #1136431, type the name of the person in the fields below and click the 'Add Non Co-PI Senior Person to Proposal' button				
Enter the first name, middle initial, and last name.				
First Name:				
Middle Initial				
Last Name:				
Add Non Co-PI Senior Person to Proposal				
Go Back				

Important Note: You MUST upload a document (containing text) in each of the below listed modules for FastLane to accept your Phase II proposal submission. IF you do not follow the instructions provided your proposal is subject to Return Without Review (RWR).

- ✓ References Cited
- ✓ Facilities, Equipment, and Other Resources
- ✓ Project Summary (see below guidelines)
- ✓ Project Description (see below guidelines)
- ✓ Biographical Sketches
- ✓ Current and Pending Support
- 11. Click on the "Go" button to the left of "References Cited":

	Forms for Temp. Proposal #7154556 SBIR Phase Litest title					
	Fo	rm Preparation				
	To prepare a form, click on the appropriate button below.					
Form	Saved	Form	Saved			
GO Cover Sheet	05/30/12	GO Project Summary	01/14/13			
GO Table of Contents	N/A	GO Project Description				
GO References Cited		GO Biographical Sketches	07/06/11			
GO Budgets (Including Justification)	09/01/11	GO Current and Pending Support	08/18/11			
GO Facilities, Equipment, and Other Resources						
		Supplementary Documents				
		GO Data Management Plan				
		GO Mentoring Plan 1				
		GO Project Summary with Special Characters				
		GO Other Supplementary Docs	07/06/11			
Single Copy Documents						
GO PI/Co-PI Information	N/A	GO Add/Delete Non Co-PI Senior Personnel	N/A			
GO Deviation Authorization(if applicable)		GO Change PI				
GO List of Suggested Reviewers (optional)	N/A	GO Link Collaborative Proposals				
GO Additional Single Copy Documents						
	ſ	Go Back				

Provide a comprehensive listing of relevant sources. You can directly enter the references into the text box or you can transfer a file. It is recommended that you do the file transfer. **All proposals submitted to NSF must have something entered into the References Cited section. If you do not have any references to cite, put a statement to that effect into this module.** When this section is completed, click **"Go Back"** to return to the "Form Preparation" screen.



If uploading a file, click "Transfer File" on the above screen.

Follow the instructions on the below screen, then click "Upload File" to upload document. Click "Go Back" until you return to the "Form Preparation" screen.



SAMPLE BUDGET AND BUDGET JUSTIFICATIONS ARE INCLUDED ON THE FOLLOWING PAGES. THE INSTRUCTIONS FOR ENTERING THIS INFORMATION IN FASTLANE FOLLOWS.

SUMMARY PROPOSAL BUDGET Year 1		FOR NSF USE ONLY		
ORGANIZATION SUMMARY PROPOSAL BUDGET Year 1		PROPOSAL I	NO DURATION	N (MONTHS)
ABCD, Inc.		11101 007.21	201011101	. (
ABOB, Moi			Proposed	Granted
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR		AWARD NO		
John Doe				
A. SENIOR PERSONNEL: PI/PD, Co-PIs, Faculty and Other Senior Associate	es	NSF-Funded	Funds	Funds
List each separately with name and title. (A.7. Show number in brackets)		Person-months	Requested By	Granted by NSF
	CAL	ACA SUMR		(If Different)
1. John Doe – Chief Innovation Officer	4.0		\$25,578	\$
2. Jane Smith – PM	2.0		\$25,113	
3. June July – Senior Chemist	4.0	4	\$39,627	_
4.		-		
5.				
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE 12 (2) TOTAL OFFICE PERSONNEL (4.5)		<u></u>	600.040	
7. (3) TOTAL SENIOR PERSONNEL (1-6)	10.1	0	\$90,318	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. () POSTDOCTORAL ASSOCIATES		1 1	1	I
2. (2) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	4.0	, 	\$25,578	
3. () GRADUATE STUDENTS			\$25,576	<u> </u>
4. () UNDERGRADUATE STUDENTS	+			
5. () SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				
6. () OTHER				
TOTAL SALARIES AND WAGES (A + B)			\$115,896	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)			ψ110,000	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)			\$115,896	
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POS	SSESSIONS)		\$6,000 \$3,888	
2. FOREIGN	3020010110)		\$3,000	
F. PARTICIPANT SUPPORT				
1. STIPENDS \$				
2. TRAVEL				
3. SUBSISTENCE				
4. OTHER				
TOTAL NUMBER OF PARTICIPANTS () COSTS	TOTAL NUMBER OF PARTICIPANTS () TOTAL PARTICIPANT			
G. OTHER DIRECT COSTS				
1. MATERIALS AND SUPPLIES			\$35,159	
PUBLICATION/DOCUMENTATION/DISSEMINATION CONSULTANT SERVICES			604.000	
4. 3 Comp. 4. Comp. 6. Comp. 6			\$24,000	
4. COMPUTER SERVICES 5. SUBAWARDS			+	-
6. OTHER				
TOTAL OTHER DIRECT COSTS			\$59,159	
H. TOTAL DIRECT COSTS (A THROUGH G)			\$184,943	
I. INDIRECT COSTS (F&A) (SPECIFY RATE AND BASE)			\$104,343	
INDINEST COOTS (LGA) (GFECH FIXATE AND BASE)				
TOTAL INDIRECT COSTS (F&A)			\$173.846	I
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)			\$358,789	
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJE	CT SEE GPG II.D.	7.j.)	\$23,950	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)			\$382,739	\$
M. COST SHARING: PROPOSED LEVEL \$	AGREED LEVEL	IF DIFFERENT: \$		7
PI/PD TYPED NAME AND SIGNATURE*	DATE		FOR NSF USE ONLY	
John Doe			T COST RATE VERIF	
ORG. REP. TYPED NAME & SIGNATURE* John Doe	DATE	Date Checked Date of Rate Sheet Initials-O		Initials-ORG

NSF Form 1030 (10/99) Supersedes All Previous Editions

*SIGNATURES REQUIRED ONLY FOR REVISED BUDGET (GPG III.C)

54		F	OR NSF USE ONL'	Y
SUMMARY PROPOSAL BUDGET Year 2				
ORGANIZATION ABCD, Inc.		PROPOSAL N	IO. DURATION	N (MONTHS)
			Proposed	Granted
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR John Doe		AWARD NO	·	
A. SENIOR PERSONNEL: PI/PD, Co-PIs, Faculty and Other Senior Associates	s	NSF-Funded	Funds	Funds
List each separately with name and title. (A.7. Show number in brackets)	P	erson-months	Requested By	Granted by NSF
, , , , , , , , , , , , , , , , , , , ,	CAL	ACA SUMR	Proposer	(If Different)
John Doe – Chief Innovation Officer	4.04		\$25,578	\$
2. Jane Smith – PM	2.02		\$25,113	
3. June July – Senior Chemist	1.16		\$11,322)
4.				
5.				
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE			600.040	
7. (3) TOTAL SENIOR PERSONNEL (1-6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)	7.22		\$62,013	
OTHER PERSONNEL (SHOW NOMBERS IN BRACKETS) OTHER PERSONNEL (SHOW NOM		 	T	T
2. (4) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	6.03	+ + -	\$57,513	
3. () GRADUATE STUDENTS	0.00		\$57,010	
4. () UNDERGRADUATE STUDENTS				
5. () SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				
6. () OTHER				
TOTAL SALARIES AND WAGES (A + B)			\$119,526	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)			\$119,526	
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. CANADA, MEXICO AND U.S. POSS	SESSIONS)		\$3,888	
2. FOREIGN F. PARTICIPANT SUPPORT				
1. STIPENDS \$				
2. TRAVEL				
3. SUBSISTENCE				
4. OTHER				
TOTAL NUMBER OF PARTICIPANTS () COSTS	TOTAL PAR	TICIPANT		
G. OTHER DIRECT COSTS				
1. MATERIALS AND SUPPLIES			\$34,531	
2. PUBLICATION/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES			60.000	
4. COMPUTER SERVICES			\$6,000	
5. SUBAWARDS				
6. OTHER				
TOTAL OTHER DIRECT COSTS			\$40,531	
H. TOTAL DIRECT COSTS (A THROUGH G)			\$163,945	
I. INDIRECT COSTS (F&A) (SPECIFY RATE AND BASE)			¥100,010	
TOTAL INDIRECT COSTS (F&A)			\$179,290	
TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I)			\$179,290 \$343,235	
TOTAL INDIRECT COSTS (F&A)	CT SEE GPG II.D.7.	j.)		
TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I)	CT SEE GPG II.D.7.	j.)	\$343,235	\$
TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJEC L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)	CT SEE GPG II.D.7.	DIFFERENT: \$	\$343,235 \$24,026 \$367,261	•
TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECT. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING: PROPOSED LEVEL \$		DIFFERENT: \$	\$343,235 \$24,026 \$367,261	•
TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJECT. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING: PROPOSED LEVEL \$	AGREED LEVEL I	DIFFERENT: \$	\$343,235 \$24,026 \$367,261	
TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJEC L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING: PROPOSED LEVEL \$ PI/PD TYPED NAME AND SIGNATURE* John Doe	AGREED LEVEL I	DIFFERENT: \$	\$343,235 \$24,026 \$367,261 FOR NSF USE ONLY	

NSF Form 1030 (10/99) Supersedes All Previous Editions

*SIGNATURES REQUIRED ONLY FOR REVISED BUDGET (GPG III.C)

1111111111111111111111111111111111111		FOR NSF USE ONLY			
SUMMARY PROPOSAL BUDGET Cumulative FORGANIZATION	<u> </u>	PROPOSAL	NO	I DUBATION	(MONTHS)
ABCD, Inc.		PROPOSAL	NO.	DORATION	(MONTHS)
,				Proposed	Granted
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR		AWARD N	Э.		
John Doe A. SENIOR PERSONNEL: PI/PD, Co-PIs, Faculty and Other Senior Associate	e I	NSF-Funded	$\overline{}$	Funds	Funds
List each separately with name and title. (A.7. Show number in brackets)		Person-months		Requested By	Granted by NSF
List each separately with hame and title. (A.7. Show humber in brackets)	CAL	ACA SUMR		Proposer	(If Different)
John Doe – Chief Innovation Officer	8.08		_	\$51,156	\$
2. Jane Smith – PM	4.04			\$50,226	
3. June July – Senior Chemist	5.20		\top	\$50,949	
4.			\top	***************************************	
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE	SE)		\top		
7. (3) TOTAL SENIOR PERSONNEL (1-6)	17.3	2		\$152,331	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
() POSTDOCTORAL ASSOCIATES					
2. (6) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	10.0	3		\$83,091	
3. () GRADUATE STUDENTS	•				
4. () UNDERGRADUATE STUDENTS					
5. () SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					
6. () OTHER					
TOTAL SALARIES AND WAGES (A + B)				\$235,422	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)				\$235,422	
TOTAL EQUIPMENT E. TRAVEL 1, DOMESTIC (INCL. CANADA, MEXICO AND U.S. POS	SEESSIONS)			\$6,000 \$7,776	
2. FOREIGN	0000010110)		+	\$1,116	
F. PARTICIPANT SUPPORT					
1. STIPENDS \$					
2. TRAVEL					
3. SUBSISTENCE					
4. OTHER					
TOTAL NUMBER OF PARTICIPANTS () COSTS	TOTAL PAR	RTICIPANT			
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES			\perp	\$69,690	
2. PUBLICATION/DOCUMENTATION/DISSEMINATION			\perp		
3. CONSULTANT SERVICES			\perp	\$30,000	
4. COMPUTER SERVICES					
5. SUBAWARDS					
6. OTHER					
TOTAL OTHER DIRECT COSTS				\$99,690	
H. TOTAL DIRECT COSTS (A THROUGH G)				\$348,888	
I. INDIRECT COSTS (F&A) (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS (F&A)				\$353,136	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)			\top	\$702,024	
K. RESIDUAL FUNDS (IF FOR FURTHER SUPPORT OF CURRENT PROJE	CT SEE GPG II D 7	'.i.)	+	\$47,976	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)		97	+	\$750,000	\$
M. COST SHARING: PROPOSED LEVEL \$	AGREED LEVEL	E DIEEEDENT- 9		+100,000	¥
PI/PD TYPED NAME AND SIGNATURE*	DATE			SF USE ONLY	
NO. 17 BY	DAIL				
John Doe		INDIREC	T COS	T RATE VERIFI	CATION
ORG. REP. TYPED NAME & SIGNATURE*	DATE	Date Checked	Date	of Rate Sheet	Initials-ORG
John Doe					

NSF Form 1030 (10/99) Supersedes All Previous Editions

*SIGNATURES REQUIRED ONLY FOR REVISED BUDGET (GPG III.C)

Sample Budget Justification (Year 1)

A. Senior Personnel

- 1. **Dr. John Doe (Chief Innovation Officer/PI):** Dr. Doe will commit 4.04 Cal. Months for a salary of \$25,578 (\$75,974 yr.). He will develop the Task 1 pathogen assays with Dr. July. He will also perform most of the proposed Task 3 measurements and interpret the data.
- **2. Dr. Jane Smith (PM):** Dr. Smith will commit 2.02 Cal. Months for a salary of \$25,113 (149,186 yr.). She will assist in data interpretation and prepare all required reports.
- **3. Dr. June July (Senior Chemist):** Dr. July will commit 4.04 Cal. Months for a salary of \$39,627 (\$117,700/yr.). She will develop the Task 1 pathogen assays with Dr. Doe. She will also prepare the Task 2 samples.

Total Senior Personnel: \$90,318

B. Other Personnel

B.2 Other Professionals

- **1. Ms. August September (Research Assistant):** Ms. September will commit 2.90 Cal. Months with an hourly rate of \$27.40/hr. (requested salary \$18,270)
- **2. TBD** (**Research Assistant**): The RA will commit 1.10 Cal. Months to the project and requested compensation is \$7,308. This person will help 1) prepare samples by performing serial dilutions, 2) make spectral measurements and 3) compiling data.

Total Other Personnel: \$25,578

C. Fringe Benefits: Included in Indirect Costs

D. Equipment

Innovative Photonic Solutions 532nm Laser (\$6,000): This laser will be used to perform the wavelength study. The laser is required to optimize the sensitivity of the proposed analyzer. Per request, a quote is included.

E. Travel

The PI (Dr. Doe) will attend the NSF Phase II Grantees Workshop (\$2,000).

2 Five-Day trips to the University of Smart

Two people will make measurements at the University of Smart level 2 labs.

Travel Costs:

- Mileage: 2 trips (170 miles each @ \$0.565/mi) Total: \$192
- Meals: 2 trips/2 persons (3 days @ \$56/day = \$672)

(2 days @ \$42/day = \$336)

- Lodging: 2 trips (1 room for 4 days @ \$86/night = \$688) GSA per diem rates were used for Albany, NY

Total Travel = \$3,888

F. Participant Support: N/A

G. Other Direct Costs

1. Materials and Supplies: \$35,159

* Include a table that lists the below information (price quotes are required for ALL items over \$5.000)

- Item/Description
- Vendor
- Quantity

- Unit Price
- Extended/Total Amount

2. Publication/Documentation/Dissemination: N/A

3. Consultant Services (\$24,000):

Dr. David Night, Professor Molecular Biology at the University of Smart will commit 40 days @ a rate of \$600/day (\$24,000). He will provide guidance in the safe preparation and handling of the pathogens, including growth in broths and cultures.

4. Computer Services: N/A

5. Subawards: N/A

(Note: A separate Summary Proposal Budget with corresponding budget justification must be submitted for each subaward proposed. The proposing organization's budget justification must include the organizational relationship (e.g., common ownership or related parties) between the proposing organization and the subawardee, the type of subaward contemplated (e.g., fixed price or cost reimbursement), and an analysis to support that the subaward budget is reasonable. Tuition costs are not supported costs under SBIR/STTR subawards to colleges and universities. The electronic signature policy eliminates the requirement of providing a signed paper copy of the subaward budget; however, it is the responsibility of the proposing organization to confirm that submitted subaward budgets have been approved by an Authorized Organizational Representative at the subawardee organization. A letter from the PI on the subaward (Co-PI) is required stating his/her willingness to collaborate and describes their responsibilities/specific tasks to be accomplished on the project.)

6. Other: N/A

(Note: This budget line includes purchases from commercial sources for routine analytical or other services (i.e. fee-for-service). The budget justification must explain the need for the services, provide a description of the services, and give a detailed breakout of costs (price quote/other documentation of costs.)

Total Other Direct Costs: \$59,159

H. Total Direct Costs (A through G): \$184,943

I. Indirect Costs: \$173,846

Fringe Benefits are calculated to be 50% of the total salary and wages (\$57,948). The remainder of the requested amount is for the allowable Indirect Costs (\$115,898)

The total Indirect Costs for this project are limited to 150% of direct salaries and wages.

J. Total Direct and Indirect Costs (H+I): \$358,789

K. Residual Funds: \$23,950

7% of line J

L. Total Cost and Residual Funds (J+K): \$382,739

Sample Budget Justification (Year 2)

A. Senior Personnel

- 1. **Dr. John Doe (Chief Innovation Officer/PI):** Dr. Doe will commit 4.04 Cal. Months for a salary of \$25,578 (\$75,974 yr.). He will develop the Task 1 pathogen assays with Dr. July. He will also perform most of the proposed Task 3 measurements and interpret the data.
- **2. Dr. Jane Smith (PM):** Dr. Smith will commit 2.02 Cal. Months for a salary of \$25,113 (149,186 yr.). She will assist in data interpretation and prepare all required reports.
- **3. Dr. June July (Senior Chemist):** Dr. July will commit 1.16 Cal. Months for a salary of \$11,322 (\$117,100/yr.). She will develop the Task 1 pathogen assays with Dr. Doe. She will also prepare the Task 2 samples.

Total Senior Personnel: \$62,013

B. Other Personnel

B.2 Other Professionals

- **1. Mr. October November (Sr. Software Engineer):** Mr. November will commit 1.16 Cal. Months to the project and requested compensation is \$14,350. He will write analyzer control and user interface software as part of Task 5.
- **2. Ms. Robin Ore (Senior Engineer):** Ms. Ore will commit 2.02 Cal. Months to the project and requested compensation is \$25,112. She will design and build analyzer.
- **3. Ms. August September (Research Assistant):** Ms. September will commit 1.16 Cal. Months with an hourly rate of \$27.40/hr. (requested salary \$7,308)
- **4. TBD (Research Assistant):** The RA will commit 1.69 Cal. Months to the project and compensation is \$10,743. This person will help 1) prepare samples by performing serial dilutions, 2) make spectral measurements and 3) compiling data.

Total Other Personnel: \$57,513

- C. Fringe Benefits: Included in Indirect Costs
- D. Equipment: N/A
- E. Travel

The PI (Dr. Doe) will attend the NSF Phase II Grantees Workshop (\$2,000).

2 Five-Day trips to the University of Smart

Two people will make measurements at the University of Smart level 2 labs.

Travel Costs:

- Mileage: 2 trips (170 miles each @ \$0.565/mi) Total: \$192
- Meals: 2 trips/2 persons (3 days @ \$56/day = \$672)

(2 days @ \$42/day = \$336)

- Lodging: 2 trips (1 room for 4 days @ \$86/night = \$688) GSA per diem rates were used for Albany, NY

Total Travel = \$3,888

F. Participant Support: N/A

G. Other Direct Costs

- 1. Materials and Supplies: \$34,531
 - * Include a table that lists the below information (price quotes are required for ALL items over \$5,000)
 - Item/Description
 - Vendor
 - Quantity

- Unit Price
- Extended/Total Amount
- 2. Publication/Documentation/Dissemination: N/A
- 3. Consultant Services (\$6,000):

Dr. David Night, Professor Molecular Biology at the University of Smart will commit 10 days @ a rate of \$600/day (\$12,000). He will provide guidance in the safe preparation and handling of the pathogens, including growth in broths and cultures.

- 4. Computer Services: N/A
- 5. Subawards: N/A

(Note: A separate Summary Proposal Budget with corresponding budget justification must be submitted for each subaward proposed. The proposing organization's budget justification must include the organizational relationship (e.g., common ownership or related parties) between the proposing organization and the subawardee, the type of subaward contemplated (e.g., fixed price or cost reimbursement), and an analysis to support that the subaward budget is reasonable. Tuition costs are not supported costs under SBIR/STTR subawards to colleges and universities. The electronic signature policy eliminates the requirement of providing a signed paper copy of the subaward budget; however, it is the responsibility of the proposing organization to confirm that submitted subaward budgets have been approved by an Authorized Organizational Representative at the subawardee organization. A letter from the PI on the subaward (Co-PI) is required stating his/her willingness to collaborate and describes their responsibilities/specific tasks to be accomplished on the project.)

6. Other: N/A

(Note: This budget line includes purchases from commercial sources for routine analytical or other services (i.e. fee-for-service). The budget justification must explain the need for the services, provide a description of the services, and give a detailed breakout of costs (price quote/other documentation of costs.)

Total Other Direct Costs: \$40,531

- H. Total Direct Costs (A through G): \$163,945
- I. Indirect Costs: 179,290

Fringe Benefits are calculated to be 50% of the total salary and wages (\$59,763). The remainder of the requested amount is for the allowable Indirect Costs (\$119,526)

The total Indirect Costs for this project are limited to 150% of direct salaries and wages.

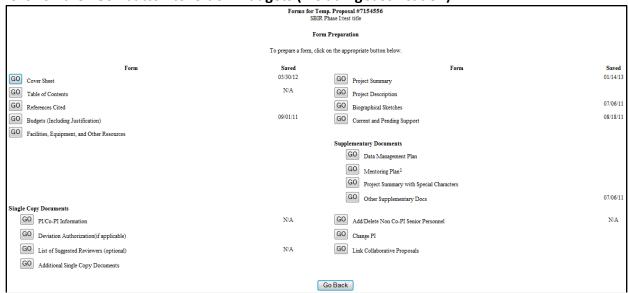
- J. Total Direct and Indirect Costs (H+I): \$343,235
- K. Residual Funds: \$24,026

7% of line J

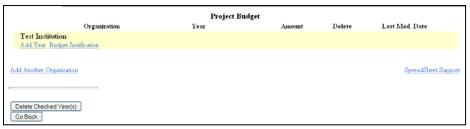
L. Total Cost and Residual Funds (J+K): \$367,261

Cumulative Budget Justification should reflect the sum of both Year 1 and Year 2 budget justifications (include the same level of detail).

12. Click on the "Go" button to left of "Budgets (Including Justification)":



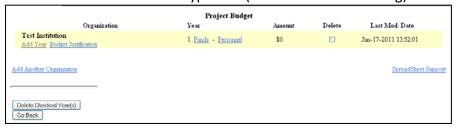
The Project Budget Screen will appear. The company name should be highlighted; then Click on the "Add Year" button.



Year 1 will be highlighted; then Click the "Add" button. FastLane will return to the Project Budget Screen.



Click on the "Funds" hyperlink (under the Year heading).



IMPORTANT: To avoid budget reductions, NSF strongly advises you to visit the Department of Labor/Bureau of Labor Statistics website to determine the allowed pay scale for each budgeted position. In general, unless your company has other significant internal revenue sources, as well as recent payroll records showing a precedent for the requested salary, the NSF will not allow budgeted salaries in excess of the median salary for the same job title in the same geographical area. Click here to search for your city/state data. If your city is not listed, click here and use your state data. Remember that direct salaries and wages requested in an NSF SBIR/STTR budget are permitted only for work on R&D tasks.

In most cases, every employee listed in line A or B of the budget should fall under one of the following four occupational groups:

- Management Occupations (11-0000)
- Computer and Mathematical Occupations (15-0000)
- Architecture and Engineering Occupations (17-0000)
- Life, Physical, and Social Science Occupations (19-0000)

A. Senior Personnel section: Click the "Add/Remove Senior Personnel" button.

Budget Year 1 for Test Institution							
A Senior Personnel B. Other Personnel C. Fringe Benefits D. Equipment E. Travel F. Participant Support Costs G. Other Direct Costs H. Total Direct Costs L. Indirect Costs J. Total Direct And Indirect Costs K. Residual Funds L. Total Cost and Residual Funds Bottom of Page							
A. Senior Personnel							
Name	Title	Calendar Months	Academic Months	Summer Months	Funds Requested By Proposer		
AB	none	0.0	0.0	0.0	0		
Total Ser	nior Personnel: 1	0.0	0.0	0.0	\$0		
	<u>Add/</u>	Remove Senio	r Personnel				
		Calculate					

Check the box(s) for the "Senior Personnel" to be included on the budget and then click "Save" to return to the "Year 1 Budget" screen.

Budget Personnel for year 1 for Test Institution						
PI: A B						
Personnel available to add Check to add John Doe	Personnel currently assigned to budget year Check to remove None Available to Remove					
	Save Go Back					

Provide the number of **CALENDAR months** and proposed cost for all "Senior Personnel"; then click "**Calculate**". You must enter information into the Calendar Months field on each line for which funds are requested. The PI on all SBIR and STTR Phase II proposals must be budgeted for a minimum of two (2) calendar months per year.

No Academic/Summer Months permitted except for University Subawards.

		Budget Ye	ar 1 for 1	Test Inst	itution		
A	Senior Personnel E Other Direct Costs), Other Personnel C. H. Total Direct Costs L. T	Fringe Benefits I. Indirect Costs Total Cost and Re Bottom of P	sidual Funds	E. Travel F. And Indirect (Participant Suppo Costs I K. Residua	rt. Costs Il Funds
A. Senior Personnel							
	Name	Title	Calendar Months	Academic Months	Summer Months	Funds Requested By Proposer	
	AB	none	0.0	0.0	0.0	0	
	John Doe		0.0	0.0	0.0	0	
	Total Senior	Personnel: 2	0.0	0.0	0.0	\$0	
	Add/Remove Senior Personnel						
		1100		211 0100111101			
			Calculate				

B. Other Personnel section: Provide all applicable information on personnel in the categories listed. Provide the number of **CALENDAR months** and proposed cost for all "Other Personnel"; then click "Calculate".

The main budget should not include Post-Doc. Scholars, Graduate Students, Undergraduate Students, or Secretarial/Clerical Personnel.

B. Other Personnel							
	Number of Personnel	Type of Personnel	Calendar Months	Academic Months	Summer Months	Funds Requested By Proposer	
	0	Post Doctoral Scholars	0.0	0.0	0.0	0	
	0	Other Professionals (Technicians, etc.)	0.0	0.0	0.0	0	
	0	Graduate Students				0	
	0	Undergraduate Studer	nts			0	
	0	Secretarial - clerical				0	
	0	Other				0	
	Total Othe	er Personnel: 0				\$0	
			Total Salar	ries and Wag	ges (A + B):	\$0	
			Calculate				

C. Fringe Benefits section: Provide the estimated amount of fringe benefits for Senior Personnel and Other Personnel; then click **"Calculate"**.

C. Fringe Benefits	
Description	Funds Requested By Proposer
Fringe Benefits (If charged as direct costs)	0
Total Salaries, Wages and Fringe Benefits (A + B + C):	\$0
Calculate	

D. Equipment section: Equipment is defined as nonexpendable, tangible personal property, having a useful life of more than one year and an acquisition cost of \$5,000 or more per unit. However, organizations may elect to establish their capitalization threshold as less than \$5,000. Equipment should be budgeted consistently with the proposing organization's capitalization policy. Requests should not be made for general purpose or routine equipment that a business conducting research in the field should be expected to have available. The budget justification must explain the need for any equipment and include the item identification/description, vendor identification, quantity, price, and extended amount. Price quotes are required for **ALL** equipment totaling more than \$5,000.

D. Equipment				
List items and dollar amount for each	item exceeding \$5000.			
Equip	oment item	Check here to delete item	Dollar Amount	Funds Requested By Proposer
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
		Tot	al Equipment:	\$0
	Calc	ulote		

E. Travel section: One trip per year, for up to 2 people, is required for attending the SBIR/STTR Phase II Grantees Workshop. A realistic estimate is \$2,000 per person. Travel in Phase II is only permitted if it is necessary for the completion of the project R&D activities (no foreign travel allowed). After inputting the appropriate dollar amount, click **"Calculate"**.

E. Travel	
Description	Funds Requested By Proposer
 Travel Domestic (incl. Canada, Mexico and U.S. Possessions) 	0
Travel Foreign	0
Total Travel:	\$0
Calculate	

F. Participant Support Costs section: SBIR/STTR Phase II proposals do not use this budget line item; this section should be left blank.

F. Participant Support Costs						
Desc	ription		Costs	Funds Requested By Proposer		
1.	Stipends	0)			
2.	Travel	0)			
3.	Subsistence	0)			
4.	Other	0)			
Nun	ber of Participants 0	_				
		Total Participant Sup	port Costs:	\$0		
		Calculate				

- **G. Other Direct Costs** section: Provide a dollar amount for the following line items; then click **"Calculate"**.
 - G.1. Materials and Supplies: The budget justification must include a table that shows an itemized listing of materials and supplies to include the item/description, vendor, quantity, unit price and extended/total amount. A price quote is required for **ALL** items totaling more than \$5,000.
 - G.2. Publication Costs/Documentation/distrib (not allowed in SBIR/STTR Phase II)
 - G.3. Consultant Services (Consultant rate cannot exceed \$600 per day and documentation includes signed letter from the consultant with rate, number of days, and project role)
 - G.4. Computer (ADPE) Services: Pls should discuss possible publication charges with their Program Director.
 - G.5. Subcontracts a separate budget is REQUIRED for each subcontractor; the total amount of all these subcontracts for year 1 should be entered here

G.6.Other: This budget line includes purchases from commercial sources for routine analytical or other services (i.e. fee-for-service). The budget justification must explain the need for the services, provide a description of the services, and give a detailed breakout of costs (price quotes /other documentation of costs).

G. Other Direct Costs	
Description	Funds Requested By Proposer
Materials and Supplies	0
Publication Costs/Documentation/distrib	0
Consultant Services	0
Computer (ADPE) Services	0
5. Subcontracts	0
6. Other	0
Total Other Direct Costs:	\$0
Calculate	

H. Total Direct Costs section: Click "Calculate" and the total of items A through G will update.

H. Total Direct Costs		
	Funds Requested By Proposer Total Direct Costs (A THROUGH G): \$ 0	
	Calculate	

I. Indirect Costs section: The budgeted indirect costs must be in line with your organization's past actual spending patterns. Note that the total sum of requested Indirect Costs (line I) plus Fringe Benefits (line C) cannot exceed 150% of the total Direct Labor Costs (line A + line B). Enter the requested amount, then click **"Calculate"**.

I. Indirect Costs						
Indirect (Cost Item	Rate %	Base	Check here to delete item	Funds Requested By Proposer	
1.	[
2.						
3.						
4.						
5.						
			Total Indi	irect Costs:	\$0	
		Calculate				

J. Total Direct and Indirect Costs section: Click "Calculate" and the total of items H and I will update.



K. Residual Funds section: The "Residual Funds" line is used to request a fee (profit) for the small business. If requested, the maximum amount of this profit must not exceed 7% of line item J. Click "Calculate" to update the amount.

K. Residual Funds	
If requested; maximum equals 7% of J.	
Description Residual Funds	Residual Funds
	Calculate

L. Total Cost and Fee section: After all applicable line items have been inputted into your budget, click "Calculate and Save"; then click "Go Back" to return to the "Project Budget" screen to input "Year 2".

L. Total Cost and Residual Funds
Funds Requested By Proposer
Total cost and Residual Funds (J + K): \$0
Calculate & Save Go Back

The cumulative budget will auto-populate after the completion of the "Year 1" and "Year 2" and, if applicable, the subawardee budget.

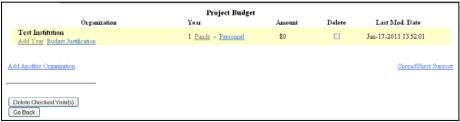
IMPORTANT NOTE - All non-zero budget line items MUST be explained in the budget justification and identified by its letter/number. Additionally, letters of commitment from any consultants, price quotes/other documentation of costs, and itemized lists of materials etc. MUST be included as part of the budget justification.

IMPORTANT: To avoid budget reductions, NSF strongly advises you to visit the Department of Labor/Bureau of Labor Statistics website to determine the allowed pay scale for each budgeted position. In general, unless your company has other significant internal revenue sources, as well as recent payroll records showing a precedent for the requested salary, the NSF will not allow budgeted salaries in excess of the median salary for the same job title in the same geographical area. Click here to search for your city/state data. If your city is not listed, click here and use your state data. Remember that direct salaries and wages requested in an NSF SBIR/STTR budget are permitted only for work on R&D tasks.

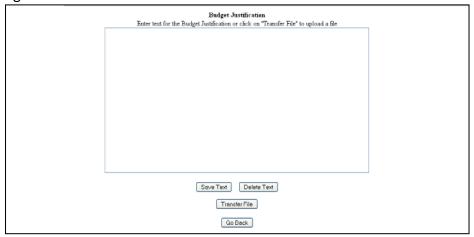
In most cases, every employee listed in line A or B of the budget should fall under one of the following four occupational groups:

- Management Occupations (11-0000)
- Computer and Mathematical Occupations (15-0000)
- Architecture and Engineering Occupations (17-0000)
- Life, Physical, and Social Science Occupations (19-0000)

12a. **Budget Justification** section: To complete the budget justification page, click on the **"Budget Justification"** hyperlink under your company name.

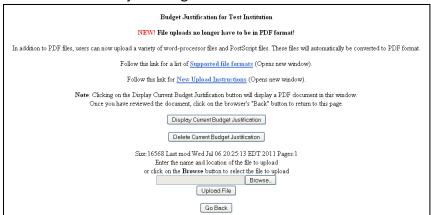


After cutting and pasting/typing details in text box, click "Save Text" and then "Go Back" to return to the "Project Budget" screen.

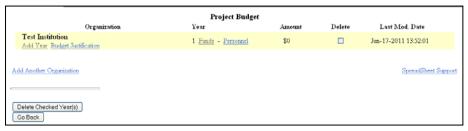


If uploading a file, click "Transfer File" on the above screen.

Then, follow the instructions on the below screen and click "Upload File" to upload document. Once the budget justification is complete, click "Go Back" until you return to the "Form Preparation" screen or until you return to the "Project Budget" screen to add a subawardee.



12b. **Subawardee Budget** section: Click "Add Another Organization" if a subawardee budget is required.



To add the organization to the budget, complete a search by the organization's name or DUNS number.

	Current Budget Organizations		
Name	Org. Id.		
Test Institution	5300010004		
Add Organization - use any one of the following:			
Name Search (ex Comett) Begins With Ends With	h O Contains	test	Search by Name
DUNS# (ex. 872612445)			Search by DUNS
	Go Back		

Highlight the appropriate organization from the results that appear in the box; then click "Select".



Note: The organization needs to be registered with NSF if it does not appear in the list. Call the FastLane Help Desk at 800-673-6188 for assistance with this process.

Highlight the subawardee PI from the listing of "Senior Personnel" participants that were added earlier in the process, then click "Select".



Return to the "Project Budget" screen and follow the previous instructions for adding the below data to the subawardee budget and budget justification when applicable. (Note: Subaward budget cannot include funds for "Permanent Equipment", "Participant Support Costs", or "Residual Funds".)

- ✓ Years
- ✓ Senior Personnel/Other Personnel
- ✓ Fringe Benefits
- ✓ Travel
- ✓ Other Direct Costs
- ✓ Total Direct Costs
- ✓ Indirect Costs
- ✓ Total Direct and Indirect Costs
- ✓ Total Cost and Residual Funds



After completing all budget requirements, click **"Go Back"** to return to the "Form Preparation" screen.

13. Click on the "Go" button to the left of "Facilities, Equipment, and Other Resources":

Forms for Temp. Proposal #7154556 SBIR Phase Litest title				
	Form Preparation			
	To prepare a form, clic	ck on the appropriate button below.		
Form	Saved	Form	Saved	
GO Cover Sheet	05/30/12	GO Project Summary	01/14/13	
GO Table of Contents	N/A	GO Project Description		
GO References Cited		GO Biographical Sketches	07/06/11	
GO Budgets (Including Justification)	09/01/11	GO Current and Pending Support	08/18/11	
GO Facilities, Equipment, and Other Resources				
		Supplementary Documents		
		GO Data Management Plan		
		GO Mentoring Plan1		
		GO Project Summary with Special Characters		
		GO Other Supplementary Docs	07/06/11	
Single Copy Documents				
GO PI/Co-PI Information	N/A	GO Add/Delete Non Co-PI Senior Personnel	N/A	
GO Deviation Authorization(if applicable)		GO Change PI		
GO List of Suggested Reviewers (optional)	N/A	GO Link Collaborative Proposals		
GO Additional Single Copy Documents				
	ſ	Go Back		

Upload a description that specifies significant equipment, instrumentation, computers, and physical facilities necessary to complete the project. For facilities and equipment which will be used, but which are not owned by the company, demonstrate that the company has or will have access to these resources.

A completed "Facilities, Equipment and Other Resources" document should include the below information (if applicable).

- ✓ Laboratory
- ✓ Clinical
- ✓ Animal
- ✓ Computer
- ✓ Office
- ✓ Other
- ✓ Major Equipment
- ✓ Other Resources



This document is required for all proposals to NSF.

Follow the instructions on the below screen, then click **"Upload File"** to upload document. Click **"Go Back"** until you return to the "Form Preparation" screen.

14. Click on the "Go" button to the left of "Project Summary":

Forms for Temp. Proposal #7154556 SBIR Phase Litest title				
Form Preparation				
	To prepare a form, cli	ck on the appropriate button below.		
Form	Saved	Form	Saved	
GO Cover Sheet	05/30/12	GO Project Summary	01/14/13	
GO Table of Contents	N/A	GO Project Description		
GO References Cited		GO Biographical Sketches	07/06/11	
GO Budgets (Including Justification)	09/01/11	GO Current and Pending Support	08/18/11	
GO Facilities, Equipment, and Other Resources				
		Supplementary Documents		
		GO Data Management Plan		
		GO Mentoring Plan ¹		
		GO Project Summary with Special Characters		
		GO Other Supplementary Docs	07/06/11	
Single Copy Documents				
GO PI/Co-PI Information	N/A	GO Add/Delete Non Co-PI Senior Personnel	N/A	
GO Deviation Authorization(if applicable)		GO Change PI		
GO List of Suggested Reviewers (optional)	N/A	GO Link Collaborative Proposals		
GO Additional Single Copy Documents				
	ſ	Go Back		

The SBIR/STTR Phase II Project Summary has three required sections:

- ✓ Overview
- ✓ Intellectual Merit
- ✓ Broader/Commercial Impact

The aggregate of the three text boxes cannot exceed 4,600 characters. The maximum number of lines that may be included on a page is 51. Information must be entered in each of the three text boxes for FastLane to allow submission of the Project Summary.

The first paragraph of the Intellectual Merit MUST begin with the name of the Program (i.e. "This Small Business Innovation Research Phase II project" or "This Small Business Technology Transfer Phase II project"), as appropriate.

Type the "Project Summary" in the below text boxes. When this section is completed, click "Save" and then "Go Back" to return to the "Form Preparation" screen. Information MUST be entered into all three text boxes, or the proposal will not be accepted.

DO NOT use the option to upload the Project Summary into the Supplementary Documents module.



15. Click on the "Go" button to the left of "Project Description":

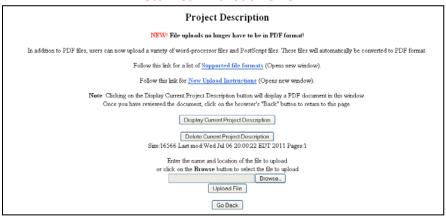
Chek on the Go batton to the	icit of itoject.	ococniption .	
	Forms for T SBI	emp. Proposal #7154556 R Phase Litest title	
	Fo	rm Preparation	
	To prepare a form, cl	ick on the appropriate button below.	
Form	Saved	Form	Saved
GO Cover Sheet	05/30/12	GO Project Summary	01/14/13
GO Table of Contents	N/A	GO Project Description	
GO References Cited		GO Biographical Sketches	07/06/11
GO Budgets (Including Justification)	09/01/11	GO Current and Pending Support	08/18/11
GO Facilities, Equipment, and Other Resources			
		Supplementary Documents	
		GO Data Management Plan	
		GO Mentoring Plan 1	
		GO Project Summary with Special Characters	
		GO Other Supplementary Docs	07/06/11
Single Copy Documents			
GO PI/Co-PI Information	N/A	GO Add/Delete Non Co-PI Senior Personnel	N/A
GO Deviation Authorization(if applicable)		GO Change PI	
GO List of Suggested Reviewers (optional)	N/A	GO Link Collaborative Proposals	
GO Additional Single Copy Documents			
		Go Back	
1			

The SBIR/STTR Phase II Project Description has five **required** sections, which should be included in a single document:

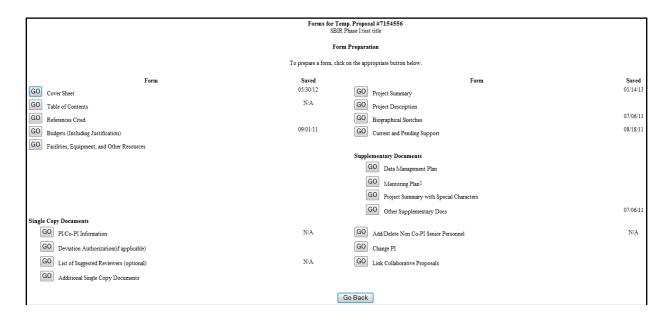
- ✓ Part 1: Results of the Phase I Project
- ✓ Part 2: Phase II Technical Objectives
- ✓ Part 3: Organizational Information
- ✓ Part 4: Consultants and Subaward Agreements
- ✓ Part 5: Equivalent or Overlapping Proposals to Other Federal Agencies

Follow the instructions on the below screen, then click "Upload File" to upload the document. Click "Go Back" until you return to the "Form Preparation" screen.

The Project Description (complete file) cannot exceed 15 pages TOTAL or the proposal will be Returned Without Review.



16. Click on the "Go" button to the left of "Biographical Sketches":



Provide relevant biographical information for the PI, key personnel, subawardees and consultants. Include the following information in each biographical sketch:

- ✓ Present and past employment
- ✓ Education (highest degree and year)
- ✓ Professional experience

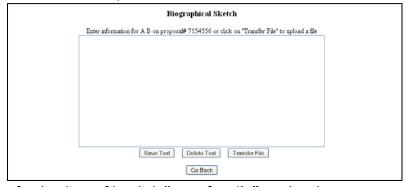
Click "Go" beside the appropriate persons' name to upload their biographical sketch.

Note – Biographical sketches may be uploaded individually or as one file (under the PI). Bio sketches are not to exceed two pages per person.



Biographical sketches for Senior Personnel (as listed in the budget) are required for all proposals to NSF.

Type/Upload the "Biographical Sketch" in the below text box. When this section is completed, click "Go Back" to return to the "Form Preparation" screen.

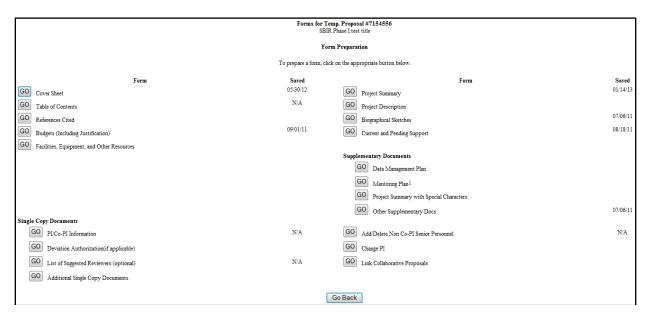


If uploading a file, click "Transfer File" on the above screen.

Follow the instructions on the below screen, then click "Upload File" to upload document. Click "Go Back" until you return to the "Form Preparation" screen.



17. Click on the "Go" button to the left of "Current & Pending Support":



Click the radio button beside the appropriate person's name and then click "New Form" to upload their Current & Pending Support.



Fill in all the required information, click "Save Text" and then "Go Back" until you return to the "Form Preparation" screen.

Current and Pending Support		
for AB on proposal#7154556		
Form Specific Instructions Enter all dates in the format muddifyy		
Press the 'Go Back' button to return to the list of all PIs/CoPIs and their support items.		
Project/Proposal Tule:		
Source of Support:		
Project Location:		
Total Award Amount: Starting Date (MM/DD/YY):		
(#######) Ending Date (MM/DD/YY):		
Support Type		
Current		
O Pending O Transfer of Support (See Note On Transfer)		
Person-months Per Year Committed to the Project		
Calendar (## ##): Academic (## ##): Summer (## ##):		
Note On Transfer: If this project has previously been funded by another agency, please list and furnish information for immediately preceding funding period.		
It has project has previously been influed by another agency, prease as and further handler for influence preceding full only. Each to Support Types		
Save Text Delete Text Transfer File Go Back		

If uploading a file, click "Transfer File" on the above screen.

NSF considers the Phase II Proposal being submitted as "Pending Support". Therefore, ALL proposals being submitted must have at least one entry in the "Current & Pending Support" module.

Follow the instructions on the below screen, then click **"Upload File"** to upload the document. Click **"Go Back"** until you return to the "Form Preparation" screen.

<u> </u>
You must have the Adobe Acrobat viewer installed on your computer in order to display PDF files. If you do not have the viewer installed, refer to Using Adobe Acrobat Reader for Printing for information on locating and installing the viewer.
Current and Pending Support
NEW! File uploads no longer have to be in PDF format!
In addition to PDF files, users can now upload a variety of word-processor files and PostScript files. These files will automatically be converted to PDF format.
Follow this link for a list of Supported file formats (Opens new window).
Follow this link for New Upload Instructions (Opens new window).
Note: Clicking on the Display Current Current and Pending Support button will display a PDF document in this window. Once you have reviewed the document, click on the browser's "Back" button to return to this page.
Display Current Current and Pending Support
Delete Current Current and Pending Support Size:16568 Last mod/Thu Aug 18 18:12:00 EDT 2011 Pages:1
Enter the name and location of the file to upload
or click on the Browse button to select the file to upload Browse Upload File
Go Back

18. Click on the "Go" button to the left of "Data Management Plan":

Forms for Temp. Proposal #7154556 SBIR Phase Litest title				
	Form Preparation			
	To prepare a form, click	k on the appropriate button below.		
Form	Saved	Form	Saved	
GO Cover Sheet	05/30/12	GO Project Summary	01/14/13	
GO Table of Contents	N/A	GO Project Description		
GO References Cited		GO Biographical Sketches	07/06/11	
GO Budgets (Including Justification)	09/01/11	GO Current and Pending Support	08/18/11	
GO Facilities, Equipment, and Other Resources				
		Supplementary Documents	ļ	
		GO Data Management Plan	ļ	
		GO Mentoring Plan ¹		
		GO Project Summary with Special Characters		
		GO Other Supplementary Docs	07/06/11	
Single Copy Documents				
GO PI/Co-PI Information	N/A	GO Add/Delete Non Co-PI Senior Personnel	N/A	
GO Deviation Authorization(if applicable)		GO Change PI		
GO List of Suggested Reviewers (optional)	N/A	GO Link Collaborative Proposals		
GO Additional Single Copy Documents				
		Go Back		

Proposals <u>must</u> contain a supplementary document labeled "Data Management Plan" which can simply consist of the statement, "All data generated in this SBIR (or STTR) Phase II project is considered proprietary."

Follow the instructions on the below screen, then click **"Upload File"** to upload the document. Click **"Go Back"** until you return to the "Form Preparation" screen.



19. Click on the "Go" button to the left of "Mentoring Plan":

Forms for Temp. Proposal #7154556 SBIR Phase Litest title			
	Form	Preparation	
	To prepare a form, click of	on the appropriate button below.	
Form	Saved	Form	Saved
GO Cover Sheet	05/30/12	GO Project Summary	01/14/13
GO Table of Contents	N/A	GO Project Description	
GO References Cited		GO Biographical Sketches	07/06/11
GO Budgets (Including Justification)	09/01/11	GO Current and Pending Support	08/18/11
GO Facilities, Equipment, and Other Resources			
		Supplementary Documents	
		GO Data Management Plan	
		GO Mentoring Plan ¹	
		GO Project Summary with Special Characters	
		GO Other Supplementary Docs	07/06/11
Single Copy Documents			
GO PI/Co-PI Information	N/A	GO Add/Delete Non Co-PI Senior Personnel	N/A
GO Deviation Authorization(if applicable)		GO Change PI	
GO List of Suggested Reviewers (optional)	N/A	GO Link Collaborative Proposals	
GO Additional Single Copy Documents			
	G	o Back	

If the proposal contains a subaward budget to an academic institution requesting funding for postdoctoral researchers, a "Postdoc Mentoring Plan" must be included as a supplementary document. Otherwise, you may skip this section. Note that employees of the small business or other for-profit companies DO NOT count as postdocs, as they relate to this requirement, and should not be budgeted on line B.1.

Follow the instructions on the below screen, then click "Upload File" to upload document. Click "Go Back" until you return to the "Form Preparation" screen.



20. Click on the "Go" button to the left of "Other Supplementary Docs":

Forms for Temp. Proposal #7154556 SBIR Phase Ltest title					
	Form Preparation				
	To prepare a form, click	k on the appropriate button below.			
Form	Saved	Form	Saved		
GO Cover Sheet	05/30/12	GO Project Summary	01/14/13		
GO Table of Contents	N/A	GO Project Description			
GO References Cited		GO Biographical Sketches	07/06/11		
GO Budgets (Including Justification)	09/01/11	GO Current and Pending Support	08/18/11		
GO Facilities, Equipment, and Other Resources					
		Supplementary Documents			
		GO Data Management Plan			
		GO Mentoring Plan ¹			
		GO Project Summary with Special Characters			
		GO Other Supplementary Docs	07/06/11		
Single Copy Documents					
GO PI/Co-PI Information	N/A	GO Add/Delete Non Co-PI Senior Personnel	N/A		
GO Deviation Authorization(if applicable)		GO Change PI			
GO List of Suggested Reviewers (optional)	N/A	GO Link Collaborative Proposals			
GO Additional Single Copy Documents					
		Go Back			

The ONLY documents which are appropriate for this section are as follows:

- ✓ Payment Schedule
- ✓ Milestone Chart
- ✓ Company Commercialization Plan
- ✓ Company Commercialization History (must be provided if the proposing small business has received prior Phase II SBIR/STTR awards from any agency; must use the NSF template)
- ✓ Phase I Final or Phase IB Interim Report (must be uploaded into the Phase II proposal in FastLane in addition to submission via Research.gov).
- ✓ Cooperative Research Agreement or letter stating that CRA will be executed upon award (required for all STTR proposals)
- ✓ Post Doc Mentoring Plan (required only if funds are included on line "B.1 Post-Doctoral Scholars" on a subaward budget to a university)
- ✓ Letters of Support for Technology (optional but strongly recommended; no more than 5 letters) letters of commitment from Consultants or Subawardees should be uploaded in the Budget Justification module, NOT here.
- ✓ Data Management Plan required by NSF for all proposals
- ✓ Letters regarding Use of Human Subjects (e.g. Institutional Review Board) or IACUC approval for animal use (required only if the Phase II research involves human or animal subjects)
- **NEW IN 2013** Small Business Administration (SBA) Company Registry Registration in the SBA Company Registry is required for all applicants: http://sbir.gov/registration. A PDF document called the "SBIR.gov SBC Registration Control ID Form" is available online following completion of the registration process. This PDF must be uploaded as a supplementary document during the NSF proposal submission process – required for ALL SBIR/STTR proposals

Please visit the following website for IIP templates and forms:

http://www.nsf.gov/eng/iip/sbir/Forms/index.jsp

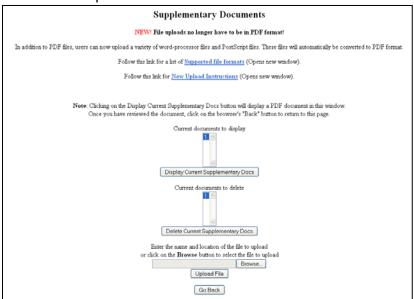
Type/Upload your necessary information in the below text box. When this section is completed, click

"Go Back" to return to the "Proposal Actions" screen.



If uploading a file, click "Transfer File" on the above screen.

Follow the instructions on the below screen, then click "Upload File" to upload document. Click "Go Back" until you return to the "Proposal Actions" screen.



Proposal Submission Procedures

If you have completed all the above actions you are now ready to submit your proposal. If you want to print out your proposal before moving to the submission and printing section below, return to the "Proposal Actions" screen and click on the "Print" button. This will allow you to have a hard copy of what you have entered into FastLane. (The printed proposal is not your official proposal). Note that only those persons listed as official Sponsored Research Officers (SROs) have the ability to complete submission of the proposal to NSF.

➤ If you have SRO Access Rights, you can click the "Submit SBIR" button and the proposal will be submitted to NSF. You will receive a confirmation email with the new NSF Proposal ID.

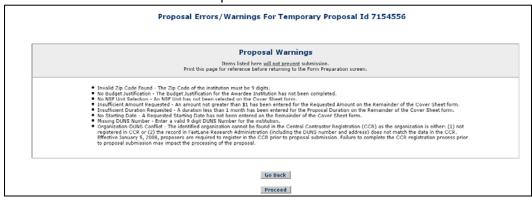
If you **do not** see the "Submit SBIR" button on the "Proposal Action" screen, then you do not have the FastLane SRO Access Rights and should follow the directions below.

Submitting a proposal to NSF involves two steps in the Research Administration portal:

- ✓ Submitting the proposal to NSF
- ✓ Electronically signing the proposal
- 1. To begin the submission process, return to the Proposal Actions screen; select and highlight the proposal you wish to submit and click on the button "Allow SRO Access".



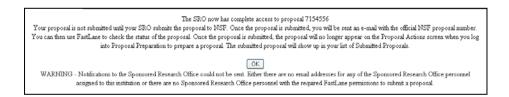
2. At this point, FastLane may notify you of some warnings related to the proposal. These items (see list on the below screen) will not prevent you from submitting your proposal, but it would be in your best interest to review the list carefully prior to your submission. When you are ready to continue, click "**Proceed**" to continue the submission process.



3. If you are ready to complete the submission process, select the third "Go" button for "Allow SRO to view, edit and submit proposal."



4. Then click the "OK" button on the below screen.



SRO ACCESS STEPS

At this point, the Sponsored Research Officer (SRO) has to take the following steps to submit the proposal to NSF.

1. Go to the FastLane Home Page and select the "Research Administration" link.



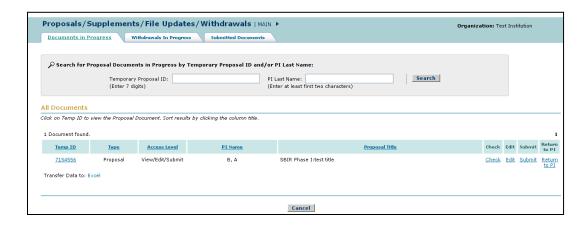
- 2. The authorized organizational representative will be asked to provide the following Log-in information:
 - ✓ Last Name
 - ✓ NSF ID.
 - ✓ Password



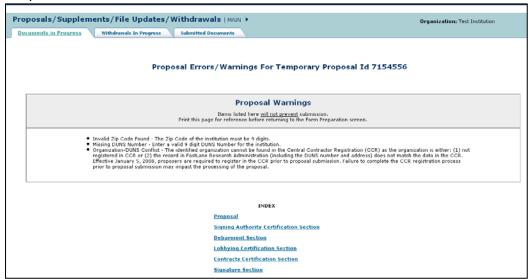
3. Click "Proposals/Supplements/File Updates/Withdrawals". The screen displays on the Documents in Progress tab.



4. Click "Submit" in the row for the proposal you want to submit.



5. The "Proposal Errors/Warnings" screen gives you the capability to submit the proposal, if there are no errors that prevent submission.



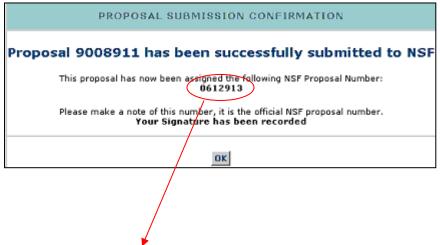
- **5.** There are two options at this point: **Submit and Sign the Proposal** or **Submit the Proposal Only**. The steps below are for the **Submit and Sign the Proposal** option. (*If you are an SPO with AOR permissions, you have the capability to submit and sign the proposal. If you submit without signing, please have the AOR sign the proposal as soon as possible.)*
- 5a. "Debarment and Suspension": click the radio button for "Yes or No" if there are any debarments or suspensions of you or of your organization from transactions with federal agencies. (If you answered Yes, provide an explanation in the text box.)

Is the organization or its principals presently debarred, suspended, proposed for debarment, declared inaligible, or voluntarily excluded from covered transactions by any Federal department or agency?
 No Yes (If "yes" please provide an explanation below.)
By electronically signing the NSF Proposal Cover Sheet, the Authorized Organizational Representative or Individual Applicant is providing the Debarment and Suspension Certification contained in Exhibit II-4 of the Grant Proposal Guide.

5b. **Institution Information**: Check the accuracy of your organization's information, then click **"Sign and Submit"**.

Institution Information
DUNS Number: 1111111111 DUNS Qualifier:
Authorized Organizational Representative(AOR) information will be added when electronically signed by AOR. The following authorized organizational representative(AOR) information will be printed on the proposal coversheet after the proposal is electronically signed by AOR. If this information is incorrect, please have it modified before signing the proposal electronically. This information can be modified by an authorized user at your organization using the 'Add, Modify, and Delete FastLane Users' module of 'Research Administration' asplication.
Name: a BII Phone: 1234567891 Fax: E-mail: test@yahoo.com
You have the Authorized Organizational Representative(AOR) permission to electronically sign and submit the proposal.
Sign and Submit Cancel and Do Not Submit

- 5c. **Proposal Submission Confirmation** screen: Displays a message that the proposal has been successfully submitted to NSF. It also displays the official NSF proposal number which has been assigned.
 - ✓ Write down the NSF proposal number
 - ✓ Print a copy of the **Proposal Submission Confirmation** screen, if desired
 - ✓ Click the "OK" button to return to the "Documents in Progress" tab



This is the Proposal Number you should reference in all communications with NSF regarding this proposal henceforward.